

CABLES FOR RENEWABLE ENERGY

CWPRO[®] SOLAR

CABLEWORLD

CABLEWORLD
SUPPLIERS OF ELECTRICAL CABLES & ACCESSORIES

The logo is displayed on the side of a blue vehicle, possibly a van or truck. The background features stylized white and blue diagonal stripes. The word 'CABLE' is in blue, and 'WORLD' is in red. Below the main text, the tagline 'SUPPLIERS OF ELECTRICAL CABLES & ACCESSORIES' is written in a smaller blue font. A black door handle is visible on the right side of the vehicle.

CABLEWORLD

SUPPLIERS OF ELECTRICAL CABLES & ACCESSORIES

Tel: 01942 840200
sales@cable-world.co.uk

CABLEWORLD

SUPPLIERS OF ELECTRICAL CABLES & ACCESSORIES



Stockist

We maintain high stock levels of fast-moving and popular cables, enabling large orders and quick delivery.



Distributor

Distributing electrical cables to customers across the UK and into Europe.



Customer Centric

Servicing a range of customers from electrical wholesalers, distributors, end users and installers.



Experienced Team

Over 100 years of combined in-house experience in project management and customer service.



Strategic Location

Our strategic location provides fast access to major transport networks, enabling efficient delivery across the UK and into Europe.



Established Family Business

A family-owned and operated company, established for over 25 years. Our family values are reflected in our customer relations and day-to-day operations.

CWPRO[®] SOLAR

CWPro[®] SOLAR CABLE

H1Z2Z2-K SOLAR CABLE



CWPRO[®] SOLAR



**TUV
Certified**



**AD8 Water
Submersible**



**Electron Beam
Cross Linked**



**CPR Compliant
B2ca**

Introducing CWPro[®] Solar Cable by Cableworld, a high quality solution for the solar industry. Certified by BASEC as CPR-rated B2ca, this cable meets the highest safety standards. With an AD8 Submersible rating, it excels in challenging environments. What truly sets CWPro[®] Solar Cable apart is its innovative Electron Cross Beam Linking technology, significantly enhancing tensile strength, abrasion resistance, and flexibility. This translates to outstanding durability, reliability, and suitability for demanding solar applications. Trust CWPro[®] Solar Cable to exceed your expectations and elevate the standards of the solar energy industry, all whilst meeting the strictest safety standards.

CABLEWORLD
SUPPLIERS OF ELECTRICAL CABLES & ACCESSORIES



CWPro® SOLAR CABLE

H1Z2Z2-K SOLAR CABLE



DESCRIPTION

Conductor: Annealed Tinned Copper (APC Optional) according to IEC 60228, Class 5 or as per customer order

Insulation: EBXL - XLPO 120°C (Colour White, Red & Black) Other colours as per customer order

Jacket: Low smoke zero halogen (LSOH)

APPLICATION

Introducing CWPro® Solar Cable by Cableworld, high quality solution for the solar industry. **Certified by BASEC as CPR-rated B2ca**, this cable meets the highest safety standards.

With an **AD8 Submersible rating**, it excels in challenging environments. What truly sets CWPro® Solar Cable apart is its innovative **Electron Cross Beam Linking** technology, significantly enhancing tensile strength, abrasion resistance, and flexibility. This translates to outstanding durability, reliability, and suitability for demanding solar applications.

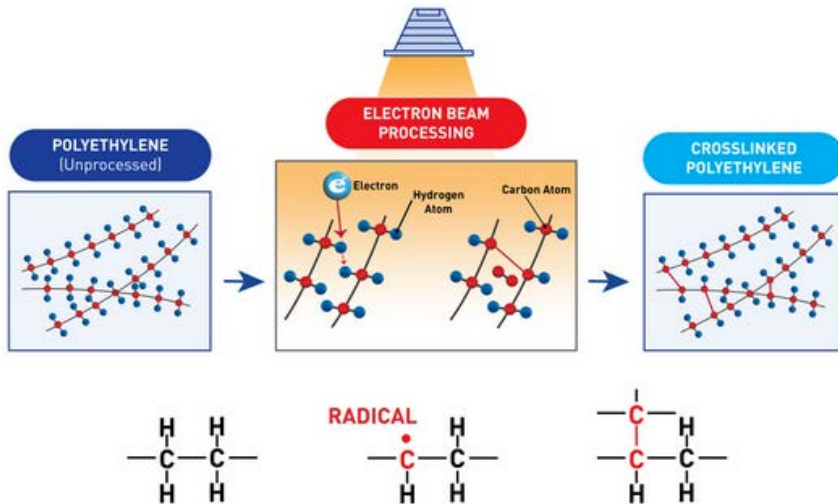
FEATURES

- High volume resistance even after long term period in water.
- Resistance against UV, Water, Ozone, Fluids, Oil, Salt & General Weathering.
- Electron Beam Cross Linked
- Halogen Free, Flame Retardant, Low Smoke Emission
- Permanent water contact AD8 acc. IEC 60364-5-51, 1 mtr. in max. submersion depth at temperature of widely unmoved water between 5°C and 40°C
- Expected cable life > 25 years.
- Water Resistant AD 8 to meet as per IEC 60364-5-51 & IEC 60529
- RoHS compliant as per EU norms

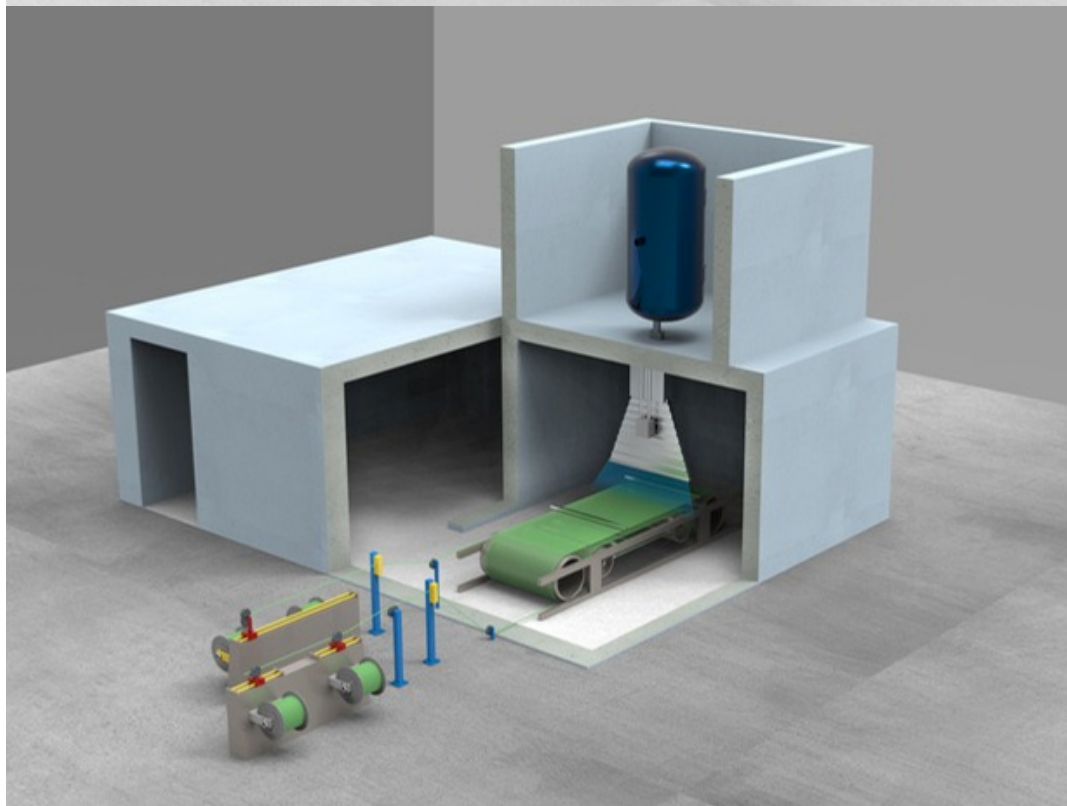
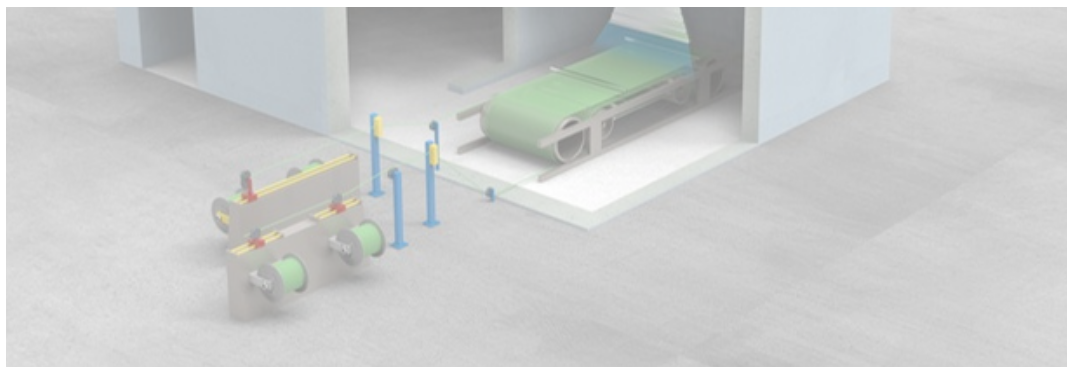
TECHNICAL DATA

Temperature Range:	-40°C to +120°C
Max. Temp. at Conductor:	120°C (20,000h)
Test Voltage:	6500V AC for 5 minutes
Insulation Resistance:	EN 50395
Test & Voltage Test:	1.0/1.0kV AC, 1.5/1.5 kV DC
Rated Voltage	
Max. Voltage:	1.8 kV DC
Short Circuit Temp:	+280°C
Halogen Free:	EN50525-1
Water Resistance:	AD8 Submersion
Flame Retardant:	EN 60332-1-2
Low Smoke Emission:	EN 61034-2
UV and Weathering Resistance:	EN 50618, EN 50289-4-17
Flame Retardant:	EN60332-1-2
Resistance against Acid and Alkaline:	EN 60811-404
Resistance to Fire (CPR):	B2ca approval (from BASEC)
Shrinkage Test on Sheath:	EN 60811-503
Dynamic Penetration Test:	EN 50618
Expected Life Period:	25 years (according EN 60216)
Cold Resistance:	EN 50618, EN 60811-504, EN 60811-505
Min Bending Radius:	(i) Cable OD x 4 for OD ≤ 8.0 mm (ii) Cable OD x 5 for 8.0 ≤ OD ≤ 12.0 mm (iii) Cable OD x 6 for OD >12.0 mm

ELECTRON BEAM CROSS LINKING

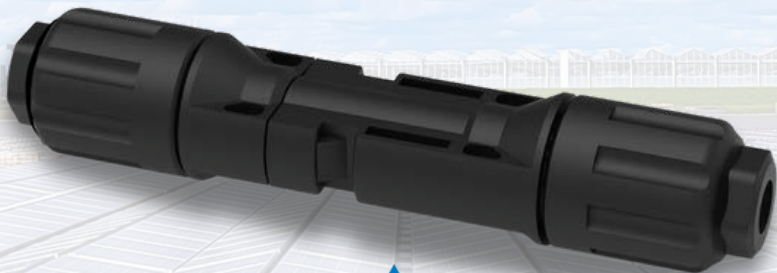


Electron beam cross-linking is a process that enhances cable properties by exposing them to high-energy electron beams. It induces cross-linking of polymer molecules, improving insulation and mechanical strength. Benefits include increased thermal stability, allowing cables to withstand higher temperatures, and enhanced resistance to chemicals and aging. The process also improves tensile strength, abrasion resistance, and flexibility, making the cables more durable. Electron beam cross-linking extends cable lifespan, enhances reliability, and makes them suitable for demanding applications



MC4 EQUIVALENT

**MALE & FEMALE CONNECTORS AVAILABLE
FROM STOCK**



Discover our MC4 Equivalent Connectors, the perfect solution for efficient solar panel installations. With their durable design and weather-resistant features, these connectors ensure secure and reliable connections for optimal power transmission. Their plug-and-play mechanism allows for easy installation without the need for special tools. Compatible with a wide range of solar panels and inverters, our MC4 Equivalent Connectors offer versatility and compatibility. Rest easy knowing that safety is prioritised with their insulation and protection against electrical shocks.

Upgrade your solar power system today and experience reliable performance. Shop now and harness the power of the sun effortlessly!

**EXP.
LIFESPAN
25 YEARS**

CABLEWORLD

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H1Z2Z2-K

SOLAR CABLE

LENGTHS: 25m, 50m, 100m, 250m, 500m, 1000m

SIZES: 4.0mm, 6.0mm, 10.0mm

COLOURS: Black, Red, Brown and Grey

MC4 Equivalent Male & Female Connectors Also Available

ALL AVAILABLE FROM STOCK FOR NEXT DAY DELIVERY

H1Z2Z2-K Solar Cable is TUV and EN certified and designed for the connection of photovoltaic panels. This extremely versatile single conductor cable is designed to meet the varying needs of the solar industry. Highly flexible, compatible with all brands of connectors and suitable for wet, damp and humid applications.

CABLEWORLD
SUPPLIERS OF ELECTRICAL CABLES & ACCESSORIES



**Electron Beam
Cross Linked**



TÜV Certified



**Water
Resistant AD8
Submersive**



CPR Compliant

PV-ULTRA®

MULTI-CORE SOLAR PV CABLE



Simplified & Faster Installation



Can be Installed Using Standard Accessories, Cleats & Clips



Can Eliminate DC Junction Boxes

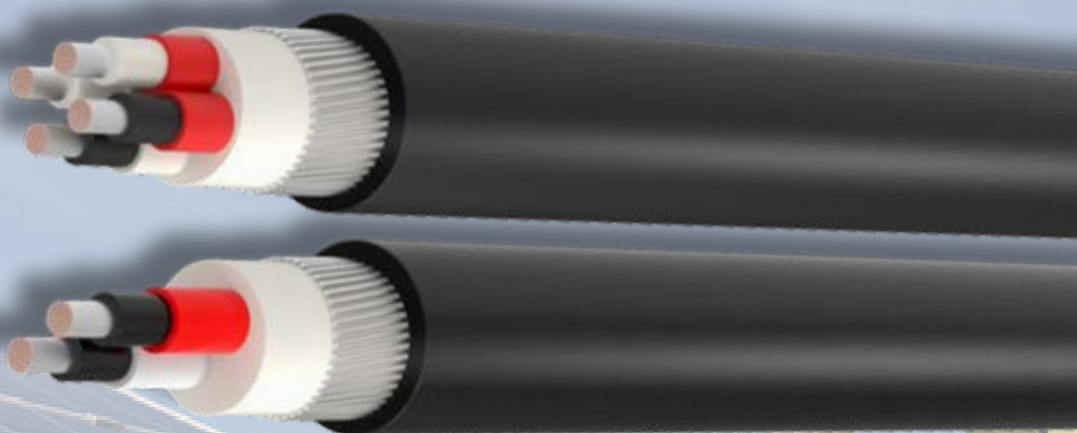


No Need for Conduit



PV-ULTRA® SWA

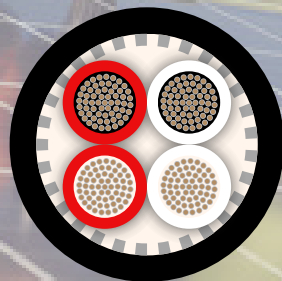
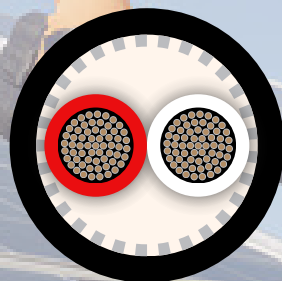
MULTI-CORE SWA SOLAR PV CABLE



SCAN ME



Discover Our Range
of Solar Cables



POWERWALL CONNECT

AC-AC BATTERY CABLE

Designed and tested per Tesla guidelines to provide an easy solution for Powerwall installations.

Powerwall Compatible



Power & Data Integrated



Integrated 12V Supply



Endorsed and Installed by Tesla



**Now available in: 16mm & 16mm SWA
Compatible With Tesla Powerwall 3**



EV-ULTRA[®]

EV Charging Cable - Power and Data Combined

- ✓ BASEC Approved
- ✓ Power & Data Integrated
- ✓ 2 Core Screened Data Cable
- ✓ Enhanced Protection with Double Sheathing
- ✓ Available in SWA
- ✗ No Signal Interference



EV-ULTRA[®] + CAT5E

EV Charging Cable - Power and Cat5e Combined



- BASEC Approved ✓
- Power & Data Integrated ✓
- Cat5 Data Cable ✓
- Available in SWA ✓
- Enhanced Protection with Double Sheathing ✓
- No Signal Interference ✗

Cables for Renewable Energy

MORE CABLES
AVAILABLE ON
REQUEST



TITANEX H07RN-F
450/750V -25°C/+90°C



H07ZZ-F ALSECURE
LSOH 450/750V -20°C/+90°C



NA2XY
0.6 /1(1.2)kV +90°C



NA2XR(AL)Y
Medium Voltage +90°C



NA2XS(F)2Y
Medium Voltage -20°C/+90°C

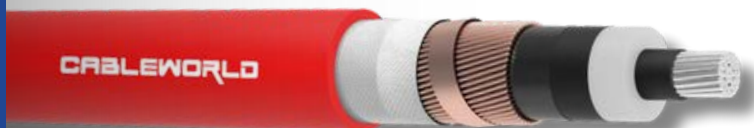
Nexans

Cables for Renewable Energy



NAYY

Medium Voltage $-5^{\circ}\text{C}/+70^{\circ}\text{C}$



NA2XSY

6/10(12)kV - 12/20(24)kV - 18/30(36)kV



MDPE WINDFARM CABLE

19kV/75kV MDPE



ALUMINIUM PV AWA CABLE

1.8/3 kV AC & 1.5/1.5 kV DC



FLEX ALUMINIUM PV AWA CABLE

1.8/3 kV AC & 1.5/1.5 kV DC

MORE CABLES
AVAILABLE ON
REQUEST



PRODUCT PROFILE

Power Generation/Data Centres/Festivals

TITANEX® H07RN-F 450/750V -25°C/+90°C
Nexans H07ZZ-F LSOH 450/750V -20°C/+90°C
TITANEX® Premium H07RN-F LSOH
600/1000V -50°C/+90°C AD8

Assembled Cables

We offer a cut to length assembled cable service using only the highest quality components

TITANEX®

+

Powersafe 500A/800A Single Pole Connectors

+

Cembre Lugs

Panel Building

UL/CSA/BS Tri-rated Cables

UL/CSA Bi-rated Cables

2491B (H05Z-K) 300/500V BS EN 50525-3-41 (BS7211)

6701B (H07Z-K) 450/750V BS EN 50525-3-41 (BS7211)

Automotive/Air Conditioning

SY Control Flex (Coloured/Number Coded, PVC & LSOH)

YY Control Flex (Coloured/Number Coded, PVC & LSOH)

CY Control Flex (Coloured/Number Coded, PVC & LSOH)

Flexible Battery Cable

Thinwall Automotive Cable (Single and Multi-Core)

Welding Cable

Construction Industry/Temporary Site Services

BASEC Arctic Grade Cables

Data Centres/Telecoms Sector

DC Telecoms Cable 6381Y 6mm to 300mm
DC Telecoms Cable 6381B 6mm to 300mm
2491B (H05Z-K) 300/500V BS EN 50525-3-41 (BS7211)
6701B (H07Z-K) 450/750V BS EN 50525-3-41 (BS7211)
Nexans H07ZZ-F LSOH LSOH 450/750V -20°C/+90°C

Solar Installations

Cable H1Z2Z2-K TÜV Approved Solar Cable
Solar Cable Accessories
N2XY
NA2XY
Bare Copper Conductors (Soft/Hard Drawn)

Audio, Instrumentation, Computer Data Networking, CCTV

Belden Equivalents (LSF & LSOH)

Plus many other products available:

Coaxials CT100CAI, CT125, RG59 • Marine/Offshore Cables (Made to order) • Drum Reeling Cables • Retractable Curlyflex Cables • Fieldbus/Profibus Cables • Rail Cables - Signalling, Power, Telecom • Cat5e, Cat6 UTP/FTP PVC, LSOH, PE • Welding Cables 0361TQ • Coil End Lead Type 4C, D, E & F • Bare Soft & Hard Drawn Copper • A2/BW/CW Glands • Metal & Plastic Cleats • Cembre Lugs

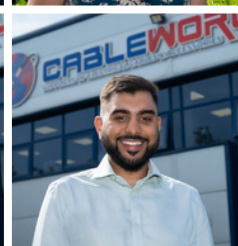
**Scan Here to
View Our
Website**



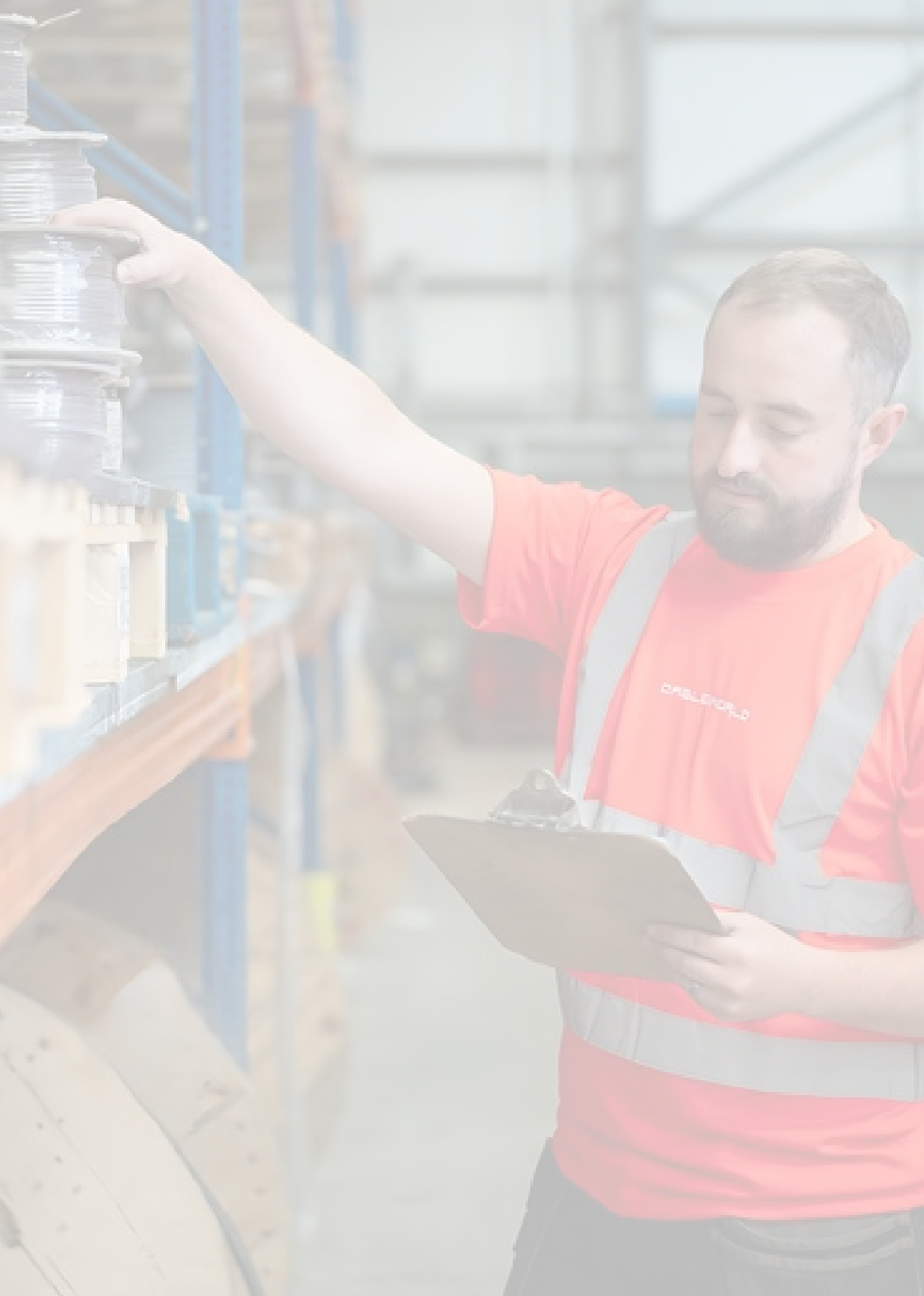


**Contact Our Friendly Team to
Discuss Your Needs Today!**

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+44 1942 840200**



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